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OM protein - protein search, using sw model

Run on: June 25, 2003, 14:42:11 ; Search time 10.907 Seconds  
(without alignments)  
283.251 Million cell updates/sec

Title: US-09-622-613B-6

Perfect score: 583  
Sequence: 1 MDWLTFFOKHLNTRDVC.....TFCVTCENQAPVHVGVCNC 105

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database :

Issued\_Patents\_AA:\*  
1: /cgn2\_6/prodata/1/iaa/5A\_COMB.pep:\*  
2: /cgn2\_6/prodata/1/iaa/5B\_COMB.pep:\*  
3: /cgn2\_6/prodata/1/iaa/6A\_COMB.pep:\*  
4: /cgn2\_6/prodata/1/iaa/6B\_COMB.pep:\*  
5: /cgn2\_6/prodata/1/iaa/PCTUS\_COMB.pep:\*  
6: /cgn2\_6/prodata/1/iaa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	558	95.7	104	1	US-08-467-955-2
2	558	95.7	105	3	US-08-875-811-39
3	558	95.7	355	3	US-08-875-811-41
4	558	95.7	358	3	US-08-875-811-51
5	556	95.4	104	4	US-09-394-268-1
6	556	95.4	104	4	US-09-687-748-1
7	556	95.4	112	3	US-08-875-811-32
8	556	95.4	129	3	US-08-875-811-63
9	556	95.4	251	3	US-08-875-811-59
10	556	95.4	254	3	US-08-875-811-61
11	556	95.4	355	3	US-08-875-811-49
12	556	95.4	355	3	US-08-875-811-57
13	556	95.4	355	3	US-08-875-811-64
14	556	95.4	366	3	US-08-875-811-55
15	556	95.4	379	3	US-08-875-811-43
16	553	94.9	104	1	US-07-921-619-1
17	553	94.9	104	1	US-07-921-619-1
18	553	94.9	104	1	US-08-467-955-1
19	553	94.9	104	2	US-08-891-848-13
20	551	94.5	104	3	US-08-875-811-1
21	551	94.5	104	4	US-09-071-672-1
22	551	94.5	105	3	US-08-875-811-26
23	551	94.5	106	3	US-08-875-811-30
24	551	94.5	107	3	US-08-875-811-28
25	550	94.3	105	3	US-08-875-811-24
26	548	94.0	104	4	US-09-394-268-2
27	548	94.0	104	4	US-09-687-748-2

28	547	93.8	358	3	US-08-875-811-45	Sequence 45, Appl
29	547	93.8	365	3	US-08-875-811-53	Sequence 53, Appl
30	528	90.6	107	3	US-08-875-811-20	Sequence 20, Appl
31	495	84.9	360	3	US-08-875-811-47	Sequence 47, Appl
32	483.5	82.9	111	3	US-08-875-811-22	Sequence 22, Appl
33	445	76.3	83	3	US-08-875-811-2	Sequence 2, Appl
34	445	76.3	83	4	US-09-071-672-3	Sequence 3, Appl
35	289	49.6	111	2	US-08-891-848-12	Sequence 12, Appl
36	289	49.6	111	3	US-08-875-811-8	Sequence 8, Appl
37	217.5	37.3	114	4	US-09-223-118-4	Sequence 4, Appl
38	205.5	35.2	114	4	US-09-223-118-2	Sequence 2, Appl
39	204.5	35.1	114	4	US-09-223-118-1	Sequence 1, Appl
40	202.5	34.7	114	4	US-09-223-118-3	Sequence 3, Appl
41	157.5	27.0	169	1	US-08-441-629-2	Sequence 2, Appl
42	157.5	27.0	169	3	US-08-776-207-2	Sequence 2, Appl
43	157.5	27.0	169	4	US-09-507-773-2	Sequence 2, Appl
44	157.5	27.0	169	5	PCT-US95-09172-2	Sequence 2, Appl
45	146	25.0	28	3	US-08-875-811-3	Sequence 3, Appl

#### ALIGNMENTS

RESULT 1  
US-08-467-955-2  
; Sequence 2, Application US/08467955  
; Patent No. 5728805  
GENERAL INFORMATION:  
APPLICANT: Ardelt Ph.D, Wojciech J.  
TITLE OF INVENTION: PHARMACEUTICALS AND METHOD FOR MAKING THEM  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Mark H. Jay, P.A.  
STREET: P.O. Box E  
CITY: Short Hills  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07078-0383  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.24  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/467,955  
FILING DATE: 01-AUG-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/436,141  
FILING DATE: 13-NOV-1989  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/814,332  
FILING DATE: 03-FEB-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/283,970  
FILING DATE: 01-AUG-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jay, Mark H.  
REGISTRATION NUMBER: 27507  
REFERENCE/DOCKET NUMBER: 5007 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-912-9066  
TELEFAX: 201-912-0442  
TELEX: NO. 5728805 Applcable  
INFORMATION FOR SEQ. ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 104 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear

MOLECULE TYPE: protein  
HYPOTHETICAL: N  
ANTI-SENSE: N  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: Rana pipiens  
DEVELOPMENTAL STAGE: Oocyte  
US-08-467-955-2

Query Match 95.7%: Score 558; DB 1: Length 104;  
Best Local Similarity 96.2%: Pred. No. 1.3e-60;  
Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 QDWLTFQKKHLTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPPVKAICGIIASKNVLT 61  
1 EDMLTFQKKHVTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPPVKAICGIIASKNVLT 60

QY 62 TSEFYLSDCNVTSRPCKYKLRKSTNTFCVTCENQAPVHFVGVC 105  
61 TSEFYLSDCNVTSRPCKYKLRKSTNTFCVTCENQAPVHFVGVC 104

## RESULT 2

US-08-875-811-39  
Sequence 39, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Bogue, Lluís  
APPLICANT: Wlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/02588  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Paris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 39:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 105 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-875-811-39

Query Match 95.7%: Score 558; DB 3: Length 105;  
Best Local Similarity 95.2%: Pred. No. 1.3e-60;  
Matches 100; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MODMLTFQKKHLTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPPVKAICGIIASKNVLT 60  
1 EDMLTFQKKHVTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPPVKAICGIIASKNVLT 60  
QY 61 TSEFYLSDCNVTSRPCKYKLRKSTNTFCVTCENQAPVHFVGVC 105  
61 TSEFYLSDCNVTSRPCKYKLRKSTNTFCVTCENQAPVHFVGVC 105

## RESULT 3

US-08-875-811-41  
Sequence 41, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Bogue, Lluís  
APPLICANT: Wlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/02588  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Paris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 41:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 355 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-875-811-41

Query Match 95.7%: Score 558; DB 3: Length 355;  
Best Local Similarity 95.2%: Pred. No. 6.3e-60;  
Matches 100; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MODMLTFQKKHLTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPPVKAICGIIASKNVLT 60  
251 MEDMLTFQKKHVTNTRDVDCNNIMSTNLFHCKDKNTFIYSRPPVKAICGIIASKNVLT 310  
QY 61 TSEFYLSDCNVTSRPCKYKLRKSTNTFCVTCENQAPVHFVGVC 105  
311 TSEFYLSDCNVTSRPCKYKLRKSTNTFCVTCENQAPVHFVGVC 355

RESULT 4  
US-08-875-811-51

Sequence 51, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Boque, Luis  
APPLICANT: Wlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/02588  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Fairs, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 51:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 358 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-875-811-51

Query Match 95.7% Score 558; DB 3; Length 358;  
Best Local Similarity 95.2%; Pred. No. 6.4e-60;  
Matches 100; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MODLTFQKKHLTNRDVCNNIMSTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLT 60  
DB 1 MEDMLTQKKHITNTRDVCNNIMSTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLT 60

QY 61 TSEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 105  
DB 61 TSEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 105

RESULT 5  
US-09-394-268-1  
Sequence 1, Application US/09394268  
Patent No. 6175003  
GENERAL INFORMATION:  
APPLICANT: Saxena, Shalendra K  
TITLE OF INVENTION: NUCLEIC ACIDS ENCODING RIBONUCLEASES AND METHODS OF  
FILE REFERENCE: 5013  
CURRENT APPLICATION NUMBER: US/09/394,268  
CURRENT FILING DATE: 1999-09-10  
NUMBER OF SEQ ID NOS: 8  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 1

LENGTH: 104  
TYPE: PRT  
ORGANISM: Rana pipiens  
US-09-394-268-1

Query Match 95.4% Score 556; DB 4; Length 104;  
Best Local Similarity 96.2%; Pred. No. 2.2e-60;  
Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 QDWLTFQKKHLTNRDVCNNIMSTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLT 61  
DB 1 QDWLTFQKKHLTNRDVCNNIMSTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLT 60

QY 62 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 105  
DB 61 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 104

RESULT 6  
US-09-687-748-1  
Sequence 1, Application US/09687748  
Patent No. 6423515  
GENERAL INFORMATION:  
APPLICANT: Saxena, Shalendra K  
TITLE OF INVENTION: METHODS OF MAKING NUCLEIC ACIDS ENCODING RIBONUCLEASES  
FILE REFERENCE: 5013 US 01  
CURRENT APPLICATION NUMBER: US/09/687,748  
CURRENT FILING DATE: 2000-10-14  
PRIOR APPLICATION NUMBER: 09/394,268  
PRIOR FILING DATE: 1999-09-10  
NUMBER OF SEQ ID NOS: 8  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 1  
LENGTH: 104  
TYPE: PRT  
ORGANISM: Rana pipiens  
US-09-687-748-1

Query Match 95.4% Score 556; DB 4; Length 104;  
Best Local Similarity 96.2%; Pred. No. 2.2e-60;  
Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 QDWLTFQKKHLTNRDVCNNIMSTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLT 61  
DB 1 QDWLTFQKKHLTNRDVCNNIMSTNLFHCKDKNTFTYSRPEPVKAICKGIASKNVLT 60

QY 62 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 105  
DB 61 SEFYLSDCNVTSRPCKYKLLKSTNTFCVTCENQAPVHFVGVC 104

RESULT 7  
US-08-875-811-32  
Sequence 32, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Boque, Luis  
APPLICANT: Wlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875.811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/02588  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Faris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 112 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-875-811-32

Query Match 95.4%; Score 556; DB 3; Length 112;  
Best Local Similarity 95.2%; Pred. No. 2.4e-60;  
Matches 100; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 1 MDMLTFQKKHITNTRDVDCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIISKNVLT 60  
Db 8 MSDMLTFQKKHITNTRDVDCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIISKNVLT 67  
Qy 61 TSEFYLSDCNVTSRCKKYLKSKSTNTFCVTCENQAPVHFVGVGHC 105  
Db 68 TSEFYLSDCNVTSRCKKYLKSKSTNTFCVTCENQAPVHFVGVGSC 112

## RESULT 8

US-08-875-811-63

Sequence 63, Application US/08875811

Patent No. 6045793

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.

APPLICANT: Newton, Dianne L.

APPLICANT: Boque, Luis

APPLICANT: Wlodawer, Alexander

TITLE OF INVENTION: Recombinant Ribonuclease Proteins

NUMBER OF SEQUENCES: 64

CORRESPONDENCE ADDRESS:

ADDRESS: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/875.811

FILING DATE: 19-FEB-1998

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US97/02588

FILING DATE: 19-FEB-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/011,800

FILING DATE: 21-FEB-1996

ATTORNEY/AGENT INFORMATION:

NAME: Faris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 63:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 129 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-875-811-63

Query Match 95.4%; Score 556; DB 3; Length 129;  
Best Local Similarity 96.2%; Pred. No. 2.9e-60;  
Matches 100; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

Qy 2 QDMLTFQKKHITNTRDVDCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIISKNVLT 61  
Db 26 QDMLTFQKKHITNTRDVDCNNIMSTNLFHCKDKNTFTYSRPEPKAICKGIISKNVLT 85  
Qy 62 SEFYLSDCNVTSRCKKYLKSKSTNTFCVTCENQAPVHFVGVGHC 105  
Db 86 SEFYLSDCNVTSRCKKYLKSKSTNTFCVTCENQAPVHFVGVGSC 129

## RESULT 9

US-08-875-811-59

Sequence 59, Application US/08875811

Patent No. 6045793

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.

APPLICANT: Newton, Dianne L.

APPLICANT: Boque, Luis

APPLICANT: Wlodawer, Alexander

TITLE OF INVENTION: Recombinant Ribonuclease Proteins

NUMBER OF SEQUENCES: 64

CORRESPONDENCE ADDRESS:

ADDRESS: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/875.811

FILING DATE: 19-FEB-1998

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/US97/02588

FILING DATE: 19-FEB-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/011,800

FILING DATE: 21-FEB-1996

ATTORNEY/AGENT INFORMATION:

NAME: Faris, Susan K.

REGISTRATION NUMBER: 41,739

REFERENCE/DOCKET NUMBER: 015280-244100US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 59:

SEQUENCE CHARACTERISTICS:

LENGTH: 251 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-875-811-59

Query Match	95.4%;	Score 556;	DB 3;	Length 251;
Best Local Similarity	95.2%;	Pred. NO. 7e-60;		
Matches 100; Conservative	2;	Mismatches	3;	Indels 0; Gaps 0;

QY 1 MOOMLEPOKKHLLINTNDVCCNNMISNINLEPHCKDKXNFETISREPRKALCKGIIASKNNVLT 60  
 Db 147 MSDMLFQKKHITINTRDVDODNIMISNINLEPHCKDKXNFETISREPRKALCKGIIASKNNVLT 200  
 QY 61 TSEFYILSDCNVTSRPPCKIKYLKSTNFEYCVCENQAPVHHVGGHC 105  
 Db 207 TSEFYILSDCNVTSRPPCKIKYLKSTNFEYCVCENQAPVHHVGGSC 251

RESULT 10  
US-08-875-811-61  
; Sequence 61, Application US/08875811  
Date of No. 6045703

1  
 2 APPLICANT: Rybak, Susanna M.  
 3 APPLICANT: Newton, Dianne L.  
 4 APPLICANT: Boque, Ulis  
 5 APPLICANT: Wlodawer, Alexander  
 6 TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
 7  
 8 NUMBER OF SEQUENCES: 64  
 9

ADDRESS: Townsend and Crew Life  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998

PRIOR APPLICATION DATA: WO PCT/US97/025888  
APPLICATION NUMBER: FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800

NAME: Faris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:

```

? TELEPHONE: (415) 576-0200
?
? TELEFAX: (415) 576-0300
?
? INFORMATION FOR SEQ ID NO: 61:
?
?     SEQUENCE CHARACTERISTICS:
?
?     LENGTH: 254 amino acids
?
?     TYPE: amino acid
?
?     TOPOLOGY: linear
?
?     MOLECULE TYPE: protein
?
US-08-875-811-61

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Query Match	95.48;	Score 556;	DB 3;	Length 254;
Best Local Similarity	95.28;	Pred. No. 7.1e-60;		
Matches 100;	Conservative	2;	Mismatches 3;	Indels

**Oy** 1 MODVLFOKCHLINTRPVDCNNINMSTNLFFHCCKK NFEIYSRPPVAICKGIIASKNVLT 60  
| | | | | : | | | | | : | | | | |  
**Dd** 1 MSDVLTFQKHNIITTRPVDCDINIMSTNLFHFCCKKNFIYSRPPVAICKGIIASNVLTL 60  
| | | | | : | | | | | : | | | | |  
**Oy** 61 TSEFYLSDCNVTSPRCYKLLKKSTNFPCVCYCENQAVHFPGVGHC 105  
| | | | | : | | | | | : | | | | |

Db 61 TSEFYLSDCNVTSRPCKYKLLKSKTNKFCVTCENQAPVHFEVGVGSC 105

RESULT 11  
US-08-875-811-49  
; Sequence 49, Application US/08875811  
; Patent No. 6045793

1  
 2     APPLICANT: Rybak, Susanna M.  
 3     APPLICANT: Newton, Dianne L.  
 4     APPLICANT: Boque, Luis  
 5     APPLICANT: Wlodawer, Alexander  
 6     TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
 7     NUMBER OF SEQUENCES: 64  
 8     CORRESPONDENCE ADDRESS:

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COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08,875,811  
FILING DATE: 19-FEB-1998

1 APPLICATION NUMBER: WO PCT/US97/02588  
2 FILING DATE: 19-FEB-1997  
3 PRIOR APPLICATION DATA:  
4 APPLICATION NUMBER: US 60/011,800  
5 FILING DATE: 21-FEB-1996  
6 ATTORNEY/AGENT INFORMATION:

REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ. ID NO.: 49:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 355 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-875-811-49

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Query Match	95.4%	Score	556	DB	3	Length	355
Best Local Similarity	95.2%	Pred. No.	1	1e	59		
Matches	100	Conservative	2	Mismatches	3	Indels	0
						Gaps	0

[illegible]

RESULT 12  
US-08-875-811-57  
; Sequence 57, Application US/08875811

APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Boque, Luis  
APPLICANT: Wlodawer, Alexander

TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/025588  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Faris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 57:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 355 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-875-811-57

Query Match 95.4%; Score 556; DB 3; Length 355;  
Best Local Similarity 95.2%; Pred. No. 1.1e-59;  
Matches 100; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

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DB 1 MSDWLTFQKKHLNTRDVCNINMSTNLFHCKDKNTFYSPREPKAICKGIISKNVLT 60  
QY 61 TSEFLSDCNVTSRCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 105  
DB 61 TSEFLSDCNVTSRCKYKLLKSTNTFCVTCENQAPVHFVGVGSC 105

RESULT 13  
US-08-875-811-64  
Sequence 64, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Boque, Luis  
APPLICANT: Wlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: WO PCT/US97/025588  
FILING DATE: 19-FEB-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/011,800  
FILING DATE: 21-FEB-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Faris, Susan K.  
REGISTRATION NUMBER: 41,739  
REFERENCE/DOCKET NUMBER: 015280-244100US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 576-0200  
TELEFAX: (415) 576-0300  
INFORMATION FOR SEQ ID NO: 64:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 355 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..355  
OTHER INFORMATION: /note="E6FB|Met-(-1)]Ser|onc"  
US-08-875-811-64

Query Match 95.4%; Score 556; DB 3; Length 355;  
Best Local Similarity 95.2%; Pred. No. 1.1e-59;  
Matches 100; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 MODWLTFQKKHLNTRDVCNINMSTNLFHCKDKNTFYSPREPKAICKGIISKNVLT 60  
DB 251 MSDWLTFQKKHLNTRDVCNINMSTNLFHCKDKNTFYSPREPKAICKGIISKNVLT 310  
QY 61 TSEFLSDCNVTSRCKYKLLKSTNTFCVTCENQAPVHFVGVGHC 105  
DB 311 TSEFLSDCNVTSRCKYKLLKSTNTFCVTCENQAPVHFVGVGSC 355

RESULT 14  
US-08-875-811-55  
Sequence 55, Application US/08875811  
Patent No. 6045793  
GENERAL INFORMATION:  
APPLICANT: Rybak, Susanna M.  
APPLICANT: Newton, Dianne L.  
APPLICANT: Boque, Luis  
APPLICANT: Wlodawer, Alexander  
TITLE OF INVENTION: Recombinant Ribonuclease Proteins  
NUMBER OF SEQUENCES: 64  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, Eighth Floor  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-3834  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/875,811  
FILING DATE: 19-FEB-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:

TELEFAX: (415)

Search completed: June 25, 2003, 15:00:15  
Job time : 10.907 secs

